

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Douglas W. Pocius; Michael D. Camras; Gloria E. Hofler

Assignee:

Lumileds Lighting U.S. LLC

Title:

Forming An Optical Element On The Surface Of A Light Emitting

Device For Improved Light Extraction

Serial No.:

09/823,841

Filing Date:

March 30, 2001

Examiner:

Alessandro V. Amari

Group Art Unit:

2872

Docket No.:

M-9728 US

(LUM-M-9728 US)

San Jose, California May 17, 2004

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT UNDER CFR § 1.97(c) WITH FEE

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying PTO Form-1449 are called to the attention of the Examiner for the above patent application. Copies of these documents are enclosed.

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the

instant invention;

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- 2. a representation that a search has been made; or
- 3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

Please charge our Deposit Account No. 502226 the amount of \$180.00 for the Information Disclosure Statement fee under 37 C.F.R. § 1.17(p) as set forth in the enclosed transmittal letter.

Patent Law Group LLP 2635 North First St. Suite 223 San Jose, CA 95134 (408) 382-0480 FAX (408) 382-0481 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 502226.

EXPRESS MAIL LABEL NO:

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Respectfully submitted,

Rachel V. Leiterman Attorney for Applicants

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PTO/SB/08A (08-03)

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Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 4

Complete if Known					
Application Number	09/823,841				
Filing Date	March 30, 2001				
First Named Inventor	Douglas W. Pocius				
Art Unit	2872				
Examiner Name	Alessandro V. Amari				
Attorney Docket Number	M_0728 LIS				

			U. S. PATENT	DOCUMENTS  Name of Patentee or	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 3,769,536	10-30-1973	Antypas et al.	
		<sup>US-</sup> 5,502,316	03-26-1996	Kish et al.	74.
		<sup>US-</sup> 5,376,580	12-27-1994	Kish et al.	
		<sup>US-</sup> 5,661,316	8-26-1997	Kish et al.	
		<sup>US-</sup> 5,779,924	7-14-1998	Krames et al.	
		<sup>US-</sup> 5,793,062	8-11-1998	Kish Jr., et al.	
		<sup>US-</sup> 6,015719	1-18-2000	Kish Jr., et al.	-
		<sup>US-</sup> 5,837,561	11-17-1998	Kish Jr., et al.	
		<sup>US-</sup> 5,724,376	03-03-1998	Kish Jr., et al.	
		<sup>US-</sup> 5,698,452	12-16-1997	Goossen	
		<sup>US-</sup> 5,553,089	09-03-1996	Seki et al.	
		<sup>US-</sup> 4,675,058	06-23-1987	Plaster	
		<sup>US-</sup> 5,255,171	10-19-1993	Clark	
		<sup>US-</sup> 6,429,462	08-06-2002	Shveykin	
		<sup>US-</sup> 6, 483,196	11-19-2002	Wojnarowski et al.	
		<sup>US-</sup> 6,412,971	07-02-2002	Wojnarowski et al.	
		<sup>US-</sup> 6,495,862	12-17-2002	Okazaki et al.	
		<sup>US-</sup> 6,091,020	07-18-2000	Fairbanks et al.	
		<sup>US-</sup> 5,898,185	04-27-1999	Bojarczuk, Jr. et al.	

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		EP 0926744 /	06-30-1999	Hewlett-Packard		
-		JP 09167515 🗸	06-24-1997	Hewlett-Packard		
		JP 09153645 🗸	06-10-1997	Toyoda Gosei Co		
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Examiner		Date		
Signature		Consid	lered	

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Sheet 2

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STATEMENT BY APPLICANT

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Application Number	09/823,841				
Filing Date	March 30, 2001				
First Named Inventor	Douglas W. Pocius				
Art Unit	2872				
Examiner Name	Alessandro V. Amari				
Attorney Docket Number	M-9728 US				

				DOCUMENTS		
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		<sup>US-</sup> 5,917,201	06-29-1999	Ming-Jiunn et al.		
		<sup>US-</sup> 2002/0030194 A1	03-14-20002	Camras et al.		
		<sup>US-</sup> 4,983,009	01-08-1991	Musk		
		<sup>US-</sup> 6,214,733 B1	4-10-2001	Sickmiller		
		<sup>US-</sup> 5,553,089	9-3-1996	Seki et al.		
		<sup>US-</sup> 2002/0141006	10-3-2002	Pocius et al.		
		<sup>US-</sup> 6,495,862 B1	12-17-2002	Okazaki et al.		
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FOREIGN PATENT DOCUMENTS									
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Signature	Considered	
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STATEMENT BY APPLICANT				First Named Inventor	Douglas W. Pocius	
	// loo oo many aha			Art Unit	2872	
(Use as many sheets as necessary)				Examiner Name	Alessandro V. Amari	
Sheet	4	of	4	Attorney Docket Number	M-9728 US	

Examiner Initials*    Cite   No.1	 	NON PATENT LITERATURE DOCUMENTS	
THOMAS R. ANTHONY, "Dielectric isolation of silicon by anodic bonding", J.		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	T <sup>2</sup>
		"Bulk Measurement", Sairon Technology, Inc., pp. 1-3.	
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Examiner	Date	
Signature	Considered	

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OE MITE				Application Number	09/823,841		
INF	ORMATION	DIS	CLOSURE	Filing Date	March 30, 2001		
STATEMENT BY APPLICANT				First Named Inventor	Douglas W. Pocius		
	(lica as many sha	ate se n	acoesani)	Art Unit	2872		
(Use as many sheets as necessary)				Examiner Name	Alessandro V. Amari		
Sheet	3	of	4	Attorney Docket Number	M-9728 US		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Chui et al., "High-Efficiency AlGaInP Light-Emitting Diodes", Semiconductor And Semimetals, Vol. 64, Chapter 2, pp. 49-128.	
		Babi• et al., "Room-Temperature Continuous-Wave Operation of 1.54-µm Vertical-Cavity Lasers", IEEE Photonics Technology Letters, Vol. 7, No. 11, November 1995, pp. 1225-1227.	
		Chua et al., "Dielectrically-Bonded Long Wavelength Vertical Cavity Laser on GaAs Substrates Using Strain-Compensated Multiple Quantum Wells", IEEE Photonics Technology Letters, Vol. 6, No. 12, December 1994, pp.1400-1402.	
		Fischer et al., "Highly Refractive Glasses to Improve Electroluminescent Diode Efficiencies", Journal of the Electrochemical Society: SOLID STATE SCIENCE, December 1969, pp. 1718-1722.	
		Carr, "Photometric Figures of Merit for Semiconductor Luminescent Sources Operating in Spontaneous Mode", Infrared Physics, 1966, Vol. 6, pp. 1-19.	
		Mary T. Strzelecki et al., "Low Temperature Bonding of Glasses and Glass Ceramics", 8 pages.	
		Robert D. Simpson et al., "Hybrid Glass Structures For Telecommunication Applications", 8 pages.	
,		Joseph S. Hayden, "Passive and Active Characterization of Hybrid Glass Substrates for Telecommunication Applications, 8 pages.	
	10000000000000000000000000000000000000	J.W. OSENBACH, et al., "Low Cost/High Volume Laser Modules Using Silicon Optical Bench Technology, 1998 Electronic Components and Technology Conference, pp. 581-587.	
	1	"Aluminum Oxide, Al2O3 For Optical Coating, , CERAC, Inc. Technical Publications, pp. 1-4.	

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Examiner	<b>'</b> *	Date
Signature		Considered

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